





<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>		Docket Number	Application Number
		016472-0311710	10/761,938
		Applicant(s)	
		Soheil SHAMS <i>et al.</i>	
		Filing Date	Group Art Unit
		January 21, 2004	2625

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*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A-T	1A	4,550,084	10/29/1985	Nelson <i>et al.</i>	436	45	
	1B	4,641,528	02/10/1987	Clayland, Jr. <i>et al.</i>	73	597	
	1C	5,121,320	06/09/1992	Aoki <i>et al.</i>	364	413.01	
	1D	5,134,662	07/28/1992	Bacus <i>et al.</i>	382	6	
	1E	5,202,932	04/13/1993	Cambier <i>et al.</i>	382	8	
	1F	5,273,632	12/28/1993	Stockham <i>et al.</i>	204	180.1	
	1G	5,389,792	02/14/1995	DiMarzio <i>et al.</i>	250	370.06	
	1H	5,417,923	05/23/1995	Bojanic <i>et al.</i>	422	101	
	1I	5,541,064	07/30/1996	Bacus <i>et al.</i>	435	6	
	1J	5,552,270	09/03/1996	Khrapko <i>et al.</i>	435	6	
	1K	5,560,811	10/01/1996	Briggs <i>et al.</i>	204	451	
	1L	5,580,728	12/03/1996	Perlin	435	6	
	1M	5,581,631	12/03/1996	Ortyn <i>et al.</i>	382	128	
	1N	5,583,973	12/10/1996	DeLisi <i>et al.</i>	395	120	
	1O	5,680,514	10/21/1997	Shams	395	22	
	1P	5,695,937	12/09/1997	Kinzler <i>et al.</i>	435	6	
	1Q	5,732,277	03/24/1998	Kodosky <i>et al.</i>	395	800	
	1R	5,757,954	05/26/1998	Kuan <i>et al.</i>	382	133	
	1S	5,773,218	06/30/1998	Gallatin <i>et al.</i>	435	6	
	1T	5,777,888	07/07/1998	Rine <i>et al.</i>	364	496	
	1U	5,785,658	07/28/1998	Benaron <i>et al.</i>	600	473	
	1V	5,811,517	09/22/1998	Gallatin <i>et al.</i>	530	350	
	1W	5,837,475	11/17/1998	Dorsel <i>et al.</i>	435	7.1	

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	1Z	BIO002 - M. TAINE and A. HERMENT, "Extraction of Heart and Vessel Walls on Ultrasound Images Using Snake-Splines", <u>SPIE</u> , Volume 2434, March 1995, pages 808-816.					
	1AA	BIO003 - M. JOLLY, S. LAKSHMANAN and A. JAIN, "Vehicle Segmentation and Classification Using Deformable Templates", <u>IEEE</u> , Volume 18, No. 3, March 1996, pages 293-305.					
	1BB	BIO004 - Y. AMIT and A. KONG, "Graphical Templates for Model Registration", <u>IEEE</u> , Volume 18, No. 3, March 1996, pages 225-236.					

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	2B	5,853,979	12/29/1998	Green <i>et al.</i>	435	5	
	2C	5,865,975	02/02/1999	Bishop	204	618	
	2D	5,869,262	02/09/1999	Gallatin <i>et al.</i>	435	7.1	
	2E	5,876,933	03/02/1999	Perlin	435	6	
	2F	5,880,268	03/09/1999	Gallatin <i>et al.</i>	530	387.3	
	2G	5,887,074	03/23/1999	Lai <i>et al.</i>	382	128	
	2H	5,916,747	06/29/1999	Gilchrist <i>et al.</i>	435	6	
	2I	5,945,284	08/31/1999	Livak <i>et al.</i>	435	6	
	2J	5,945,679	08/31/1999	Dorsel <i>et al.</i>	250	458.1	
	2K	5,970,164	10/19/1999	Bamberger <i>et al.</i>	382	128	
	2L	5,980,096	11/09/1999	Thalhammer-Reyero	364	578	
	2M	5,981,190	11/09/1999	Israel	435	6	
	2N	5,989,835	11/23/1999	Dunlay <i>et al.</i>	435	7.2	
	2O	6,040,176	03/21/2000	Gallatin <i>et al.</i>	435	326	
	2P	6,054,270	04/25/2000	Southern	435	6	
	2Q	6,100,383	08/08/2000	Gallatin <i>et al.</i>	530	387.3	
	2R	6,103,479	08/15/2000	Taylor	435	7.2	
	2S	6,127,129	10/03/2000	Corn <i>et al.</i>	435	6	
	2T	6,150,179	11/21/2000	Went	436	173	
	2U	6,185,561	02/06/2001	Balaban <i>et al.</i>	707	6	
	2V	6,207,958	03/27/2001	Giakos	250	385.1	
✓	2W	6,222,093	04/24/2001	Marton <i>et al.</i>	800	3	

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	2Y	BIO006 - A. ABRANTES and J. MARQUES, "A Class of Constrained Clustering Algorithms for Object Boundary Extraction", IEEE, Volume 5, No. 11, November 1996, pages 1507-1521.					
	2Z	BIO007 - A. JAIN, Y. ZHONG and S. LAKSHMANAN, "Object Matching Using Deformable Templates", IEEE, Volume 18, No. 3, March 1996, pages 267-278.					
✓	2AA	BIO008 - M. KASS, A. WITKIN and D. TERZOPOULOS, "Snakes: Active Contour Models", International Journal of Computer Vision, 1998, pages 321-331.					

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A-T	3A	6,223,186	04/24/2001	Rigault <i>et al.</i>	707	104	
	3B	6,226,542	05/01/2001	Reisfeld	600	407	
	3C	6,245,517	06/12/2001	Chen <i>et al.</i>	435	6	
	3D	6,251,601	06/26/2001	Bao <i>et al.</i>	435	6	
	3E	6,263,092	07/17/2001	Roehrig <i>et al.</i>	382	128	
	3F	6,263,287	07/17/2001	Zheng <i>et al.</i>	702	20	
	3G	6,301,378	10/09/2001	Karssemeijer <i>et al.</i>	382	132	
	3H	6,303,301	10/16/2001	Mack	435	6	
	3I	6,308,170	10/23/2001	Balaban	707	3	
	3J	6,341,256	01/22/2002	Deem <i>et al.</i>	702	19	
	3K	6,345,115	02/05/2002	Ramm <i>et al.</i>	382	133	
	3L	6,349,144	02/19/2002	Shams (020,155)	382	129	
	3M	6,362,004	03/26/2002	Noblett	436	43	
	3N	6,362,832	03/26/2002	Stephan <i>et al.</i>	345	629	
	3O	6,381,058	04/30/2002	Ramm <i>et al.</i>	359	242	
	3P	2002/0052882	05/02/2002	Taylor	707	104.1	
	3Q	6,389,428	05/14/2002	Rigault <i>et al.</i>	707	104.1	
	3R	6,441,973	08/27/2002	Ramm <i>et al.</i>	359	778	
	3S	6,453,241	09/17/2002	Bassett, Jr. <i>et al.</i>	702	19	
	3T	6,462,187	10/08/2002	Bandaru	536	23.2	
	3U	6,470,277	10/22/2002	Chin <i>et al.</i>	702	19	
	3V	6,475,736	11/05/2002	Stanton, Jr.	435	6	
	3W	6,498,690	12/24/2002	Ramm <i>et al.</i>	359	778	

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	3Y	BIO010 - D. SHU, J. NASH, M. ESHAGHIAN and K. KIM, "Straight-Line Detection on a Gated-Connection VLSI Network", <u>P IEEE Comp. Soc.</u> , June 1990, pages 456-461.					
	3Z	BIO011 - S. SHAMS, "Translation-, Rotation-, Scale-, and Distortion-Invariant Object Recognition Through Self-Organization", <u>International Journal of Neural Systems</u> , Volume 8, No. 2, April 1997, pages 173-179.					

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	4B	6,537,749	03/25/2003	Kuimelis <i>et al.</i>	435	6	
	4C	6,544,790	04/08/2003	Sabatini	435	455	
	4D	6,553,317	04/22/2003	Lincoln <i>et al.</i>	702	20	
	4E	2003/0100995	05/29/2003	Loraine <i>et al.</i>	702	19	
	4F	6,577,956	06/10/2003	Shams	702	19	
	4G	6,591,196	07/08/2003	Yakhini <i>et al.</i>	702	28	
	4H	2003/0148295	08/07/2003	Wan <i>et al.</i>	435	6	
	4I	6,632,600	10/14/2003	Short	435	4	
	4J	6,633,659	10/14/2003	Zhou	382	129	
	4K	6,673,549	01/06/2004	Furness <i>et al.</i>	435	6	
	4L	6,674,882	01/06/2004	Shams	382	129	
	4M	6,683,455	01/27/2004	Ebbels <i>et al.</i>	324	309	
	4N	6,690,399	02/10/2004	Carlson <i>et al.</i>	345	771	
	4O	6,714,925	03/30/2004	Barnhill <i>et al.</i>	706	48	
	4P	6,731,781	05/04/2004	Shams <i>et al.</i>	382	129	
	4Q	6,760,715	07/06/2004	Barnhill <i>et al.</i>	706	16	
	4R	6,789,069	09/07/2004	Barnhill <i>et al.</i>	706	12	
	4S	6,839,454	01/04/2005	Park	382	128	

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	4U	BIO013 - M. S. BOGUSKI and G. D. SCHULER, "Establishing a Human Transcript Map", <u>Nature Genetics</u> , Volume 10, No. 4, 1995, pages 369-371.					
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	4W	BIO015 - M. SCHENA, D. SHALON, R. W. DAVIS, and P. O. BROWN, "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray", <u>Science</u> , Volume 270, No. 5235, October 20, 1995, pages 467-470.					

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	5B	BIO017 - M. SCHENA, D. SHALON, R. HELLER, A. CHAI, P. O. BROWN, and R. W. DAVIS, "Parallel Human Genome Analysis: Microarray-based Expression Monitoring of 1000 Genes", <u>Proc. Nat. Acad. Sci. U.S.A.</u> , Volume 93, No. 20, October 1996, pages 10614-10619.						
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	5D	BIO019 - LEMIEUX, AHARONI, and SCHENA, "Overview of DNA Chip Technology", <u>Molecular Breeding</u> , 1998, pages 277-289.						
	5E	BIO020 - SCHENA, HELLER, THERIAULT, KONRAD, LACHENMEIER, and DAVIS, "Microarrays: Biotechnology's Discovery Platform for Functional Genomics", <u>Tibtech</u> , Volume 16, July 1998, pages 301-306.						
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	5G	BIO022 - SCHENA and DAVIS, "Parallel Analysis with Biological Chips", <u>PCR Methods Manual</u> , pages 445-455.						
	5H	BIO023 - SCHENA and DAVIS, <u>DNA Microarray Protocols</u> , 19 pages.						
	5I	BIO024 - ArrayIt, "Micro-Spotting Device for a Broad Range of Microarray Manufacturing Applications", <u>Chip Maker 2 Handbook</u> , June 1, 1998, 8 pages.						
	5J	BIO025 - ArrayIt, "Micro-Spotting Device for a Broad Range of Microarray Manufacturing Applications", <u>Chip Maker 3 Handbook</u> , December 8, 1998, 8 pages.						
	5K	BIO026 - ArrayIt, "High-Throughput Purification of PCR Products for DNA Microarrays, Sequencing and Other Applications in Genomics", <u>96 &amp; 384 Well PCR Purification Kits</u> , 4 pages.						
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	6B	BIO029 - ArrayIt, "An Advanced Mixture of Salts, Detergents and Buffering Components...", <u>UniHyb Hybridization Solution Handbook</u> , 1998, 8 pages.					
	6C	BIO030 - ArrayIt, <u>Dye Terminator Clean-Up Kits Handbook</u> , 1998, 13 pages.					
	6D	BIO031 - M-L. T. LEE, F. C. KUO, G. A. WHITMORE, J. SKLAR, "Importance of Replication in Microarray Gene Expression Studies: Statistical Methods and Evidence from Repetitive cDNA Hybridizations", <u>Proceedings of the National Academy of Science</u> , Volume 97, No. 18, August 29, 2000, pages 9834-9839.					
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	6H	BIO035 - DeRISI <i>et al.</i> , "Exploring the Metabolic and Genetic Control of Gene Expression on a Genomic Scale", <u>Science</u> , Volume 278, October 24, 1997, pages 680-686.					
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	7B	BIO043 - "G2 Real Time Expert System, GDA and Neur-on-line", Gensym Corporation, 1995, 5 pages.						
	7C	BIO044 - "Gensym Corporation Announces G2 Classic 5.2", Gensym Corporation, Article 4202, Volume 41, Issue 1, July 3, 2001, 4 pages.						
	7D	BIO045 - "The ArrayExpress Database", European Bioinformatics Institute, August 2000, 2 pages.						
	7E	BIO046 - DRAGHICI, Sorin, <i>et al.</i> , "Experimental Design, Analysis of Variance and Slide Quality Assessment in Gene Expression Arrays", BioDiscovery Inc., <u>Current Opinion in Drug Discovery &amp; Development</u> , Volume 4, No. 3, May 2001, pages 332-337.						
	7F	BIO047 - COMANDER, Jason, <i>et al.</i> , "Argus—A New Database System for Web-Based Analysis of Multiple Microarray Data Sets", <u>Genome Research</u> , Volume 11, No. 9, Cold Spring Harbor Laboratory Press, September 2001, pages 1603-1610.						
	7G	BIO048 - LIAO, Birong, <i>et al.</i> , "MAD: A Suite of Tools for Microarray Data Management and Processing", <u>Bioinformatics Applications Note</u> , Volume 16, No. 10, Oxford University Press, October 2000, pages 946-947.						
	7H	BIO049 - YOUNG, Lynn, <i>et al.</i> , "Microarray Analysis Using P-SCAN and F-SCAN", <u>International Genome Sequencing and Analysis Conference</u> , No. 12, September 2000, page 105.						
	7I	BIO050 - SAEED, Alexander, <i>et al.</i> , "Data Visualization and Analysis Tools for High Density Microarrays", <u>International Genome Sequencing and Analysis Conference</u> , No. 12, September 2000, page 105.						
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	7K	BIO052 - KUKLIN, A., <i>et al.</i> , "High Throughput Screening of Gene Expression Signatures", <u>Genetica</u> , Volume 108, 2000, BioDiscovery Inc., pages 41-46.						
↓	7L	BIO053 - Pankaj PRAKASH, Ph.D., and Bruce HOFF, Ph.D., "Application Note GS10: Microarray Gene Expression Data Mining with Cluster Analysis using GeneSight," BioDiscovery, Inc., 2002, 6 pages.						

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Form PTO-1449

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translations	
							YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

A-T	8A	BIO054 - SAS Procedure FASTCLUS, "SAS/STAT 9.1 User's Guide," SAS Institute Inc., 2004, available at <a href="http://support.sas.com/documentation/onlinedoc/91pdf/index_913.htm#base">http://support.sas.com/documentation/onlinedoc/91pdf/index_913.htm#base</a>						
	8B	BIO055 - Javier HERRERO, Alfonso VALENCIA and Joaquin DOPAZO, "A Hierarchical Unsupervised Growing Neural Network for Clustering Gene Expression Patterns," <i>Bioinformatics</i> , vol. 17, no. 2, pp. 126-136, Oxford University Press, 2001, available at <a href="http://bioinformatics.oupjournals.org/cgi/reprint/17/2/126">http://bioinformatics.oupjournals.org/cgi/reprint/17/2/126</a>						
	8C	BIO056 - Michael B. EISEN, Paul T. SPELLMAN, Patrick O. BROWN, and David BOTSTEIN, "Cluster Analysis and Display of Genome-Wide Expression Patterns," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 95, December 1998, pp. 14863-14868, available at <a href="http://www.pnas.org/cgi/content/full/95/25/14863">http://www.pnas.org/cgi/content/full/95/25/14863</a>						
	8D	BIO057 - "GeneSight Users Manual," Version 1.3b, BioDiscovery, Inc., 1999, 46 pages.						
	8E	BIO058 - "GeneSight Users Manual," Version 2.1, BioDiscovery, Inc., 2001						
	8F	BIO059 - "GeneSight Users Manual," Draft #1 for Version 3.0, BioDiscovery, Inc., August 31, 2001						
	8G	BIO060 - "GeneSight Users Manual," Draft #1 for Version 3.1.3, BioDiscovery, Inc., March 28, 2002						
	8H	BIO061 - "GeneSight Users Manual," Version 3.5, BioDiscovery, Inc., September 3, 2002						
	8I	BIO062 - "GeneSight Users Manual," Version 4.0, BioDiscovery, Inc., October 2003						
	8J	BIO063 - "GeneSight Users Manual," Version 4.1, BioDiscovery, Inc., 2003						
	8K	BIO064 - Rand R. WILCOX, "Statistics for the Social Sciences", Academic Press, 1996, pages 321-324.						
	8L	BIO065 - BioDiscovery ImaGene Pamphlets, date unclear (possibly 1997), distribution unclear, 8 pages.						
	8M	BIO066 - <a href="http://www.nhgri.nih.gov/DIR/LCG/15K/HTML/aboutmicro.html">http://www.nhgri.nih.gov/DIR/LCG/15K/HTML/aboutmicro.html</a> , printed 7/8/1999, 1 page.						
	8N	BIO067 - <a href="http://www.nhgri.nih.gov/DIR/LCG/15K/HTML/img_analysis.html">http://www.nhgri.nih.gov/DIR/LCG/15K/HTML/img_analysis.html</a> , printed 7/23/1999, 5 pages.						
V	8O	BIO068 - <a href="http://www.nhgri.nih.gov/DIR/LCG/15K/HTML/aboutreader.html">http://www.nhgri.nih.gov/DIR/LCG/15K/HTML/aboutreader.html</a> , printed 7/8/1999, 4 pages.						

EXAMINER	DATE CONSIDERED
A-T <i>delatorre</i>	3/30/06
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

